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#### 1 [The Traust Authorization Service](#)



[Adam J. Lee](#), [Marianne Winslett](#), [Jim Basney](#), [Von Welch](#)

February 2008

**Transactions on Information and System Security (TISSEC)**, Volume 11 Issue 1

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (1.58 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 29, Downloads (12 Months): 245, Citation Count: 3

In recent years, trust negotiation has been proposed as a novel authorization solution for use in open-system environments, in which resources are shared across organizational boundaries. Researchers have shown that trust negotiation is indeed a viable ...

**Keywords:** Attribute-based access control, credentials, trust negotiation

#### 2 [Scalable access control for distributed object systems](#)

[Daniel F. Sterne](#), [Gregg W. Tally](#), [C. Durward McDonell](#), [David L. Sherman](#), [David L. Sames](#), [Pierre X. Pasturel](#), [E. John Sebes](#)

August 1999

**SSYM'99: Proceedings of the 8th conference on USENIX Security Symposium - Volume 8**, Volume 8

**Publisher:** USENIX Association

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

A key obstacle to the widespread use of distributed object oriented systems is the lack of scalable access control mechanisms. It is often necessary to control access to individual objects and methods. In large systems, however, these can be so numerous ...

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**3** [Remote Authentication Dial In User Service \(RADIUS\)](#)

[C. Rigney, S. Willens, A. Rubens, W. Simpson](#)

June Remote Authentication Dial In User Service (RADIUS)  
2000

**Publisher:** RFC Editor

Full text available:  [Txt](#) (146.46 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 17, Citation Count: 36

This document describes a protocol for carrying authentication, authorization, and configuration information between a Network Access Server which desires to authenticate its links and a shared Authentication Server.

**4** [Johnny 2: a user test of key continuity management with S/MIME and Outlook](#)




[Express](#)

[Simson L. Garfinkel, Robert C. Miller](#)

July **SOUPS '05:** Proceedings of the 2005 symposium on Usable privacy and  
2005 security

**Publisher:** ACM

Full text available:  [Pdf](#) (665.63 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 113, Citation Count: 17

Secure email has struggled with significant obstacles to adoption, among them the low usability of encryption software and the cost and overhead of obtaining public key certificates. Key continuity management (KCM) has been proposed as a way to lower ...

**Keywords:** Usability, e-commerce, user interaction design, user studies

**5** [Extensible Provisioning Protocol \(EPP\)](#)

[S. Hollenbeck](#)

March 2004 Extensible Provisioning Protocol (EPP)

**Publisher:** RFC Editor

Full text available:  [Txt](#) (134.34 KB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

This document describes an application layer client-server protocol for the provisioning and management of objects stored in a shared central repository. Specified in XML, the protocol defines generic object management operations and an extensible framework ...

6 [A stateless approach to connection-oriented protocols](#)



[Alan Shieh](#), [Andrew C. Myers](#), [Emin Gün Sirer](#)

September  
2008

**Transactions on Computer Systems (TOCS)** , Volume 26 Issue 3

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (1.25  
MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 48, Downloads (12 Months): 475, Citation Count: 0

Traditional operating system interfaces and network protocol implementations force some system state to be kept on both sides of a connection. This state ties the connection to its endpoints, impedes transparent failover, permits denial-of-service attacks, ...

**Keywords:** Stateless interfaces, stateless protocols

7 [Client-server computing in mobile environments](#)



[Jin Jing](#), [Abdelsalam Sumi Helal](#), [Ahmed Elmagarmid](#)

June 1999

**Computing Surveys (CSUR)** , Volume 31 Issue 2

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (233.31  
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 76, Downloads (12 Months): 651, Citation Count: 44

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services ...

**Keywords:** application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile computing, mobile data, mobility awareness, survey, system application

8 [Client-side caching for TLS](#)



[Hovav Shacham](#), [Dan Boneh](#), [Eric Rescorla](#)

November  
2004

**Transactions on Information and System Security (TISSEC)** ,  
Volume 7 Issue 4

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (182.01  
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 87, Citation Count: 3

We propose two new mechanisms for caching handshake information on TLS clients. The "fast-track" mechanism provides a client-side cache of a server's public parameters and negotiated parameters in the course of an initial, enabling handshake. These parameters ...


**Keywords:** Bloom filters, TLS, session cache, wireless networks

9 [The Kerberos Network Authentication Service \(V5\)](#)

[J. Kohl, C. Neuman](#)

September 1993 The Kerberos Network Authentication Service (V5)

**Publisher:** RFC Editor

Full text available:  [Txt](#) (275.40 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 12, Citation Count: 40

This document gives an overview and specification of Version 5 of the protocol for the Kerberos network authentication system. Version 4, described elsewhere [1,2], is presently in production use at MIT's Project Athena, and at other Internet sites.

10 [Advanced Sockets API for IPv6](#)

[W. Stevens, M. Thomas](#)

February 1998 Advanced Sockets API for IPv6

**Publisher:** RFC Editor

Full text available:  [Txt](#) (152.08 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 4, Citation Count: 1

Specifications are in progress for changes to the sockets API to support IP version 6 [RFC-2133]. These changes are for TCP and UDP- based applications and will support most end-user applications in use today: Telnet and FTP clients and servers, HTTP ...

11 [X.500 Implementations Catalog-96](#)

[C. Apple, K. Rossen](#)

April 1997 X.500 Implementations Catalog-96

**Publisher:** RFC Editor

Full text available:  [Txt](#) (243.99 KB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 8, Citation Count: 0


This document is a revision to [RFC 1632]: A Revised Catalog of Available X.500 Implementations and is based on the results of data collection via a WWW home page that enabled implementors to submit new or updated descriptions of currently available ...

**12** [Lightweight Directory Access Protocol \(v3\)](#)

[M. Wahl](#), [T. Howes](#), [S. Kille](#)

December 1997 Lightweight Directory Access Protocol (v3)

**Publisher:** RFC Editor

Full text available:  [Text](#) (114.49 KB)

Additional Information: [full citation](#), [abstract](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 5, Citation Count: 15

The protocol described in this document is designed to provide access to directories supporting the X.500 models, while not incurring the resource requirements of the X.500 Directory Access Protocol (DAP). This protocol is specifically targeted at management ...

**13** [Laboratory experiments for network security instruction](#)




[José Carlos Brustoloni](#)

December 2006

**Journal on Educational Resources in Computing (JERIC)** , Volume 6 Issue 4

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (131.27 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 32, Downloads (12 Months): 371, Citation Count: 2

We describe a sequence of five experiments on network security that cast students successively in the roles of computer user, programmer, and system administrator. Unlike experiments described in several previous papers, these experiments avoid placing ...

**Keywords:** Certificate, IPsec, SSH, SSL, VPN, certifying authority, course, dictionary attack, eavesdropping, education, experiment, fingerprinting, firewall, man-in-the-middle, password, port scanning, security

**14** [EFSOC: A Layered Framework for Developing Secure Interactions between Web-Services](#)

[Willem-Jan Van Den Heuvel](#), [Kees Leune](#), [Mike P. Papazoglou](#)

September 2005

**Distributed and Parallel Databases** , Volume 18 Issue 2

**Publisher:** Kluwer Academic Publishers

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Enterprises are rapidly extending their relatively stable and internally-oriented business processes and applications with loosely-coupled enterprise software services in order to support highly dynamic, cross-organizational business processes. These ...

**Keywords:** business process, role based access control, security


15 [XML Media Types](#)

[M. Murata](#), [S. St. Laurent](#), [D. Kohn](#)

January 2001

XML Media Types

**Publisher:** RFC Editor

Full text available:  [Text](#) (86.01 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

This document standardizes five new media types -- text/xml, application/xml, text/xml-external-parsed-entity, application/xml-external-parsed-entity, and application/xml-dtd -- for use in exchanging network entities that are related to the Extensible ...


16 [Internet Security Glossary](#)

[R. Shirey](#)

May 2000

Internet Security Glossary

**Publisher:** RFC Editor

Full text available:  [Text](#) (489.29 KB)

Additional Information: [full citation](#), [abstract](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 112, Citation Count: 12


This Glossary (191 pages of definitions and 13 pages of references) provides abbreviations, explanations, and recommendations for use of information system security terminology. The intent is to improve the comprehensibility of writing that deals with ...

17 [Network File System \(NFS\) version 4 Protocol](#)

[S. Shepler](#), [B. Callaghan](#), [D. Robinson](#), [R. Thurlow](#), [C. Beame](#), [M. Eisler](#), [D. Noveck](#)

April 2003 Network File System (NFS) version 4 Protocol

**Publisher:** RFC Editor

Full text available:  [Text](#) (600.99 KB)

Additional Information: [full citation](#), [abstract](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 15, Citation Count: 8

The Network File System (NFS) version 4 is a distributed filesystem protocol which owes heritage to NFS protocol version 2, RFC 1094, and version 3, RFC 1813. Unlike earlier versions, the NFS version 4 protocol supports traditional file access while ...


18 [An open-source CVE for programming education: a case study](#)



[Andrew M. Phelps](#), [Christopher A. Egert](#), [Kevin J. Bierre](#), [David M. Parks](#)

July 2005 **SIGGRAPH '05: SIGGRAPH 2005 Courses**

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**19** [Working set-based access control for network file systems](#)



Stephen Smaldone, Vinod Ganapathy, Liviu Iftode

June **SACMAT '09: Proceedings of the 14th ACM symposium on Access control 2009 models and technologies**

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (705.48 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 8, Citation Count: 0

Securing access to files is an important and growing concern in corporate environments. Employees are increasingly accessing files from untrusted devices, including personal home computers and mobile devices, such as smart phones, which are not under ...

**Keywords:** access control, network file system

**20** [Certificate-based access control for widely distributed resources](#)

[Mary Thompson](#), [William Johnston](#), [Srilekha Mudumbai](#), [Gary Hoo](#), [Keith Jackson](#), [Abdelilah Essiari](#)

August **SSYM'99: Proceedings of the 8th conference on USENIX Security 1999 Symposium - Volume 8**, Volume 8

**Publisher:** USENIX Association

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 8

We have implemented and deployed an access control mechanism that uses digitally-signed certificates to define and enforce an access policy for a set of distributed resources that have multiple, independent and geographically dispersed stakeholders. ...

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